

LEST WE FORGET – UNIT VIII – BIOLOGY IN HUMAN WELFARE
--

1. Most parasites are pathogens as they cause harm to the host by living in [or on] them.
2. Rhinoviruses infect the nose and respiratory passage but not the lungs.
3. Innate immunity is a NON-SPECIFIC type of defence.
4. The T cells themselves do not secrete antibodies but help B cells produce them.
5. The cell mediated immune response is responsible for graft rejection.
6. The principle of vaccination is based on the property of 'memory' of the immune system.
7. Hepatitis B vaccine is produced by rDNA technology in yeast.
8. Anti-histamines, adrenaline and steroids quickly reduce the symptoms of allergy.
9. Both bone marrow and thymus are primary lymphoid organs.
10. Spleen also has a large reservoir of erythrocytes.
11. Macrophages continue to produce the virus and in this way act like HIV factories.
12. Normal cells exhibit contact inhibition.
13. UV rays are non-ionizing radiations.
14. Antibodies against cancer-specific antigens are also used for detection of certain cancers.
15. Tumour cells have been shown to avoid detection and destruction by immune system.
16. Opioid receptors are located in CNS and GIT.
17. Cocaine interferes with the transport of dopamine.
18. Addiction is a psychological attachment to certain effects – such as euphoria and a temporary feeling of well-being – associated with drugs and alcohol.
19. Dependence is the tendency of the body to manifest a characteristic and unpleasant withdrawal syndrome if regular dose of drugs/alcohol is abruptly discontinued.

20. In our stomach, the LAB play very beneficial role in checking disease causing microbes.
21. With reference to human beings, antibiotics are actually 'pro-life'.
22. Statins competitively inhibit the enzyme responsible for cholesterol synthesis.
23. Major part of activated sludge is pumped into anaerobic sludge digesters while a small part is pumped back into the aeration tank to serve as the inoculum.
24. Biogas can be used as a source of energy as it is inflammable.
25. The effluent from the secondary treatment plant is generally released into natural water bodies like rivers and streams.
26. Methanogens are present in rumen of cattle.
27. The organic farmer holds the view that the eradication of the creatures that are often described as pests is not only not possible, but also undesirable.
28. Trichoderma species are free-living fungi that are very common in the root ecosystems.
29. Baculoviruses are excellent candidates for species-specific, narrow spectrum insecticidal applications.
- 30.